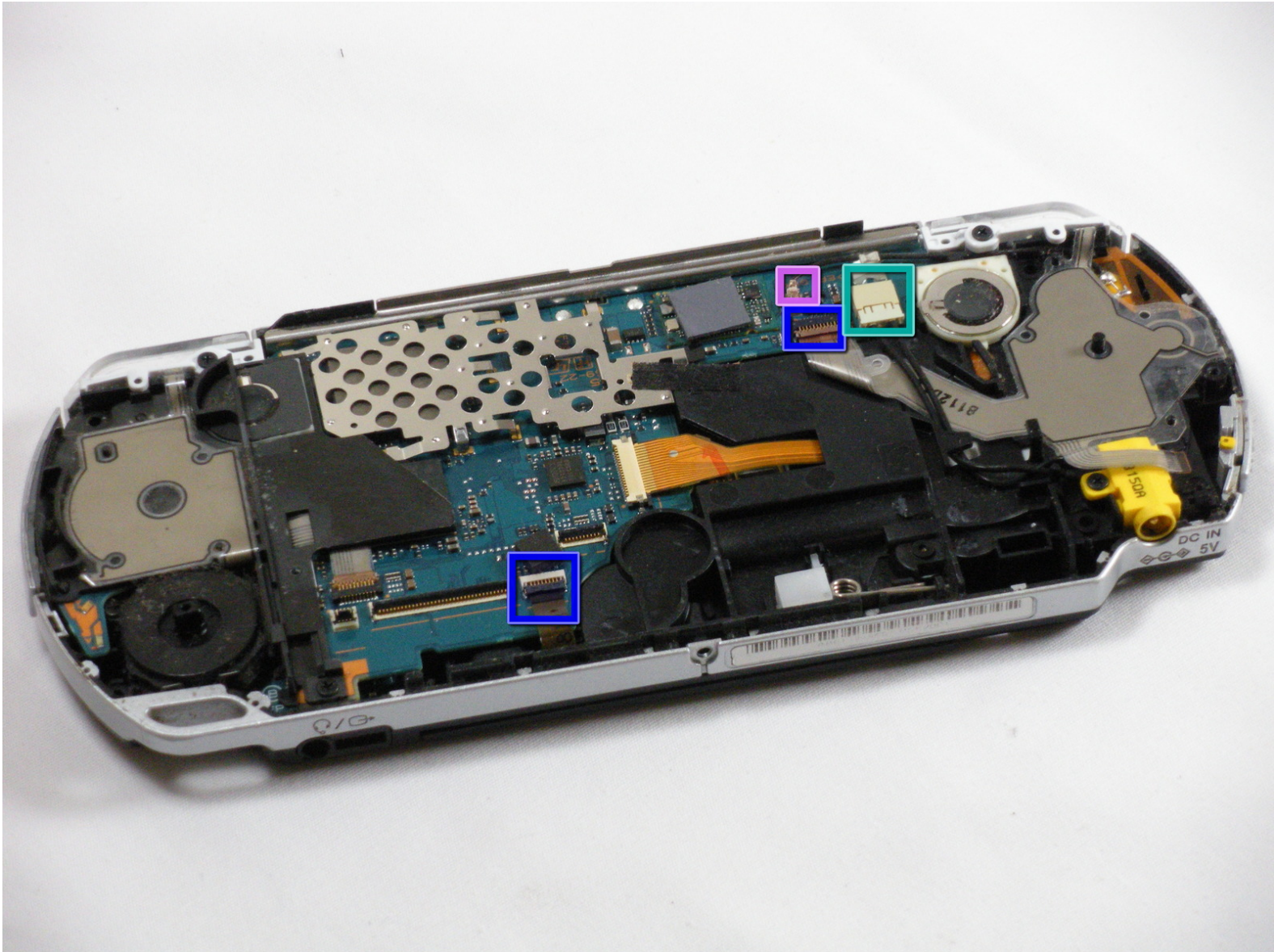




# PSP 2000 Logic Board Replacement

Written By: espinks



## INTRODUCTION

Is your logic board acting illogical? Fix it!



### TOOLS:

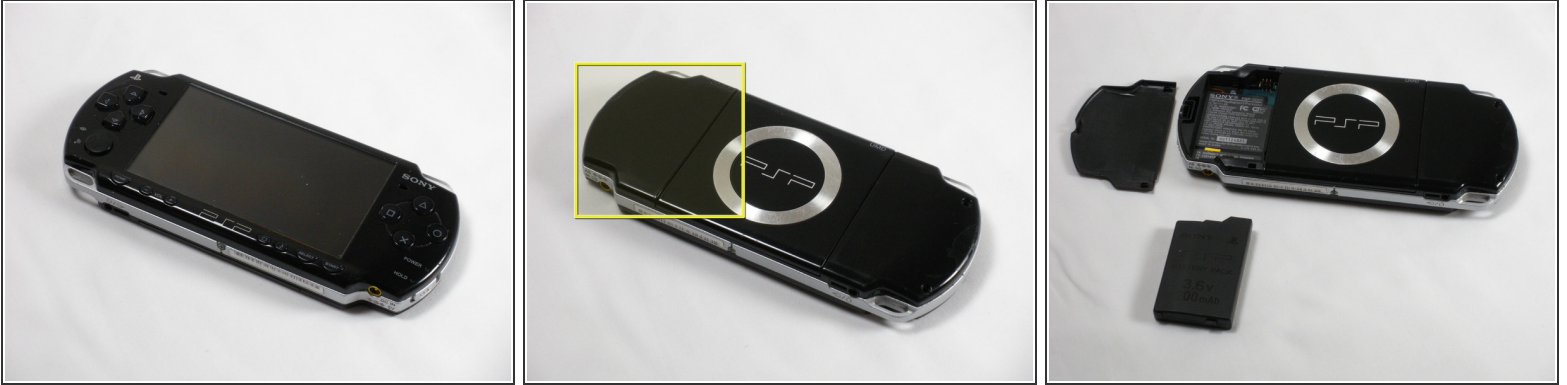
- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)



### PARTS:

- [Sony PSP 2000 Motherboard](#) (1)
-

## Step 1 — Battery



- Place PSP face down, so that the UMD Drive is facing upwards.
- Locate the battery door and open.
- Remove the battery from inside.

## Step 2 — Front Casing

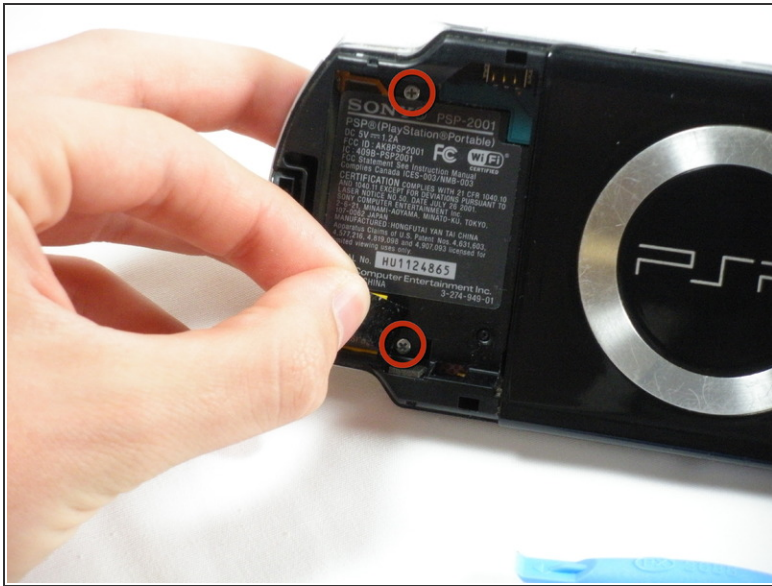


**⚠** This step requires the removal of the warranty sticker. **Removing the sticker will void the warranty.**

- Locate the sticker in the battery compartment labeled: *"En: Warranty Void if Seal Damaged."*
- Remove the sticker using the PSP Opening Tools.
- ⓘ Under the sticker is a 5mm Phillips screw needed in the next step.



## Step 3



- Remove four 5 mm Phillips from the case.

ⓘ If the screws stick in the case, you can use a magnetized screwdriver to draw them out.

## Step 4



- Remove the following screws from around the bezel:

- Two 4 mm Phillips

- One 5 mm Phillips

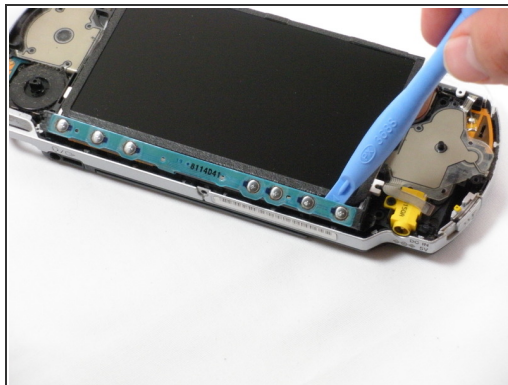
☑ The two shorter 4 mm screws are on the top of the PSP; the longer 5 mm screw is on the bottom.

## Step 5



- Gently pry the front bezel away from the casing using a PSP opening tool.
  - Start on the right hand side of the PSP bezel, and carefully work the tool around the side.
- i** If you want to clean the control buttons or D-pad, you can easily pop them out once the faceplate is off and wipe them clean.

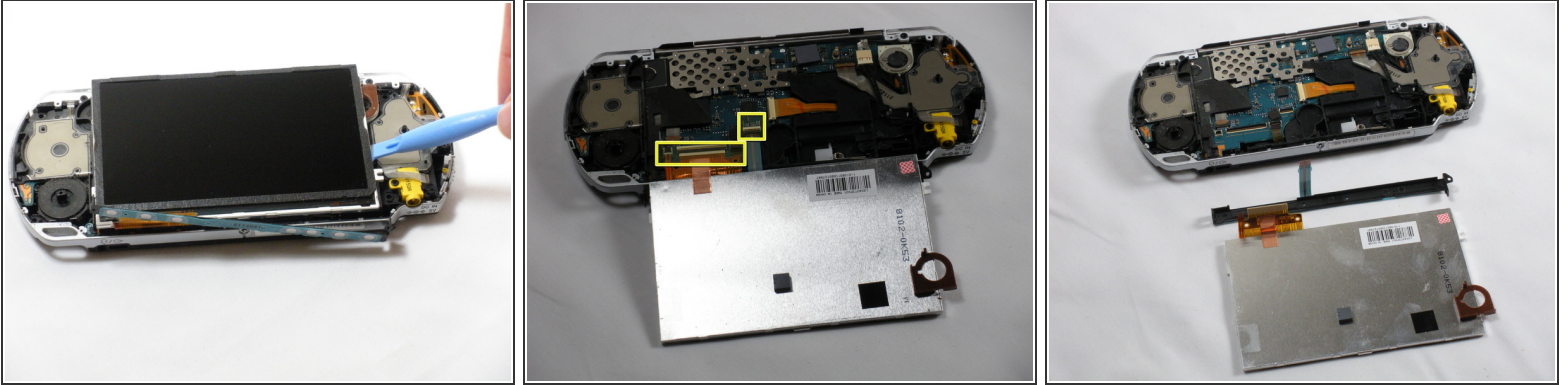
## Step 6 — Display



- Remove the home bar by gently prying on the left and right sides of it with the opening tools. Lift the bar out of the device.
- !** A ribbon cable connects the home bar to the logic board. Be careful not to damage the cable when removing the bar.

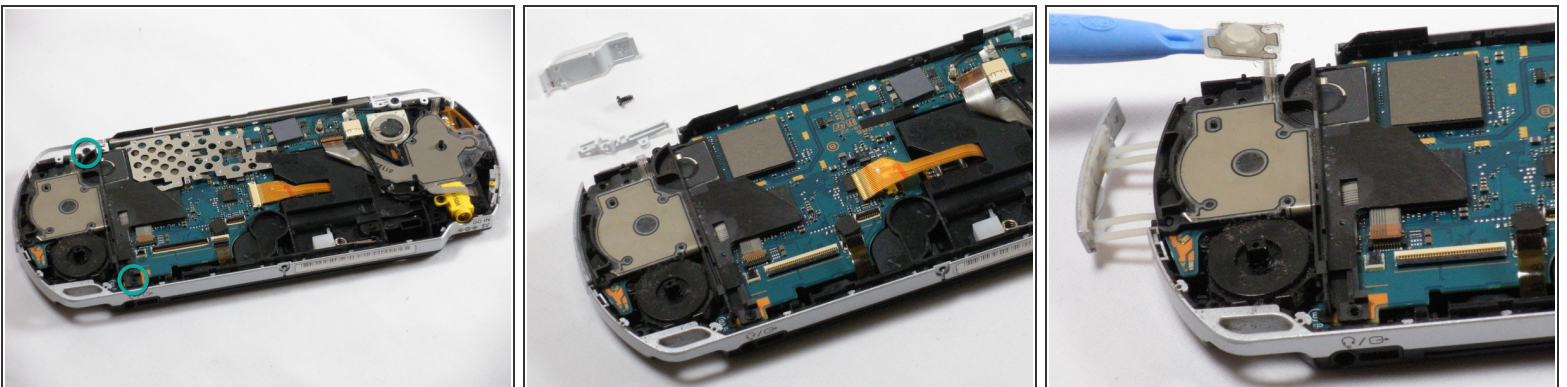


## Step 7



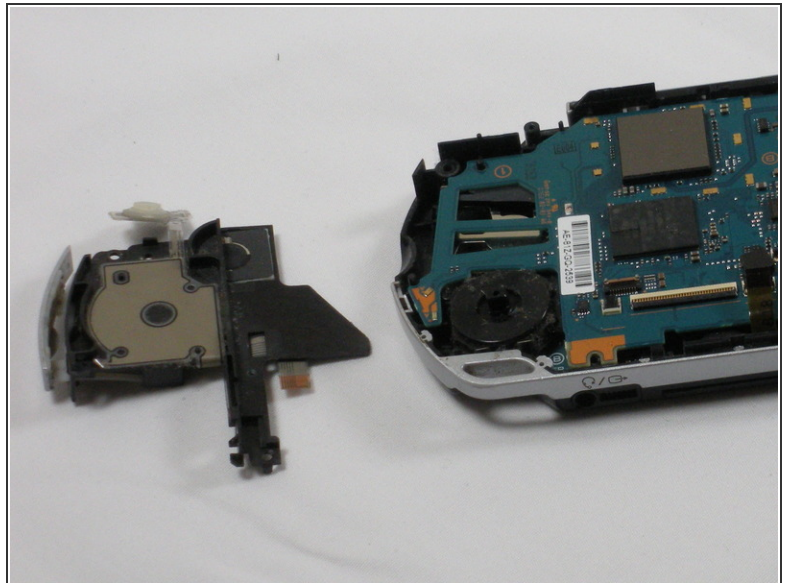
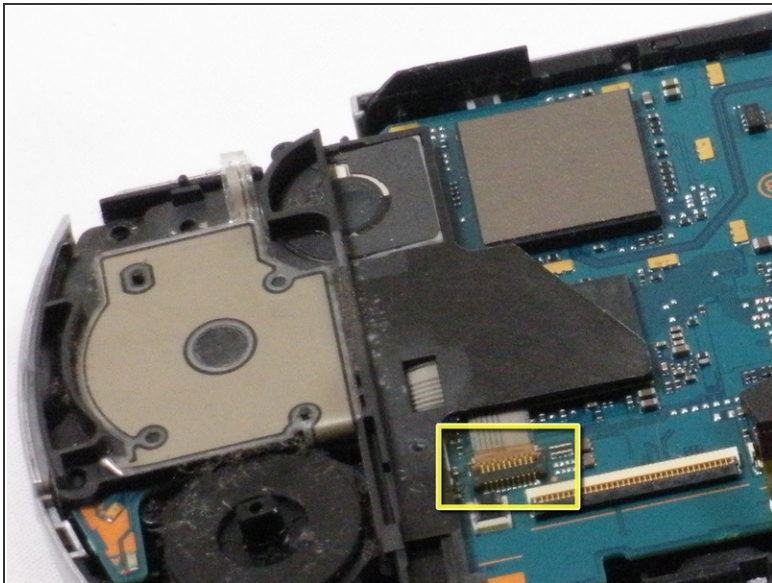
- With the home bar out of the way, gently pry up the display using the opening tools.
- ⚠ There is another ribbon cable attached to the bottom of the LCD. Be careful not to damage either of the connectors when removing.
- Lift the black tabs of the ribbon cable connectors using a opening tool. Pull the ribbons out towards the bottom of the PSP to disconnect.
- Gently lift out the display.

## Step 8 — Memory Stick Slot



- Remove two 4.5 mm Phillips screws from the left-hand side of the PSP.
- Slide off the left trigger along with the plastic bracket underneath.
- Carefully pry off left trigger button using opening tools.
- ⓘ The button is adhered to the body. It can be re-adhered with hot glue after being pried-up, if necessary.

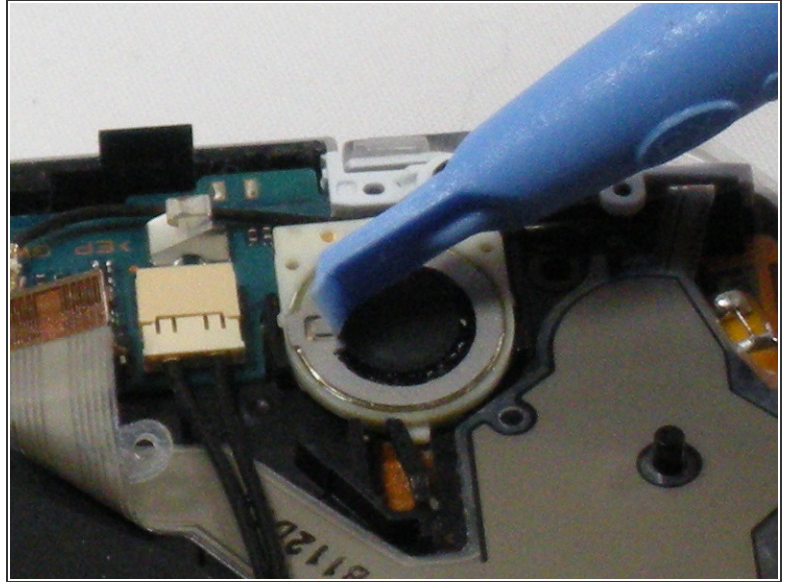
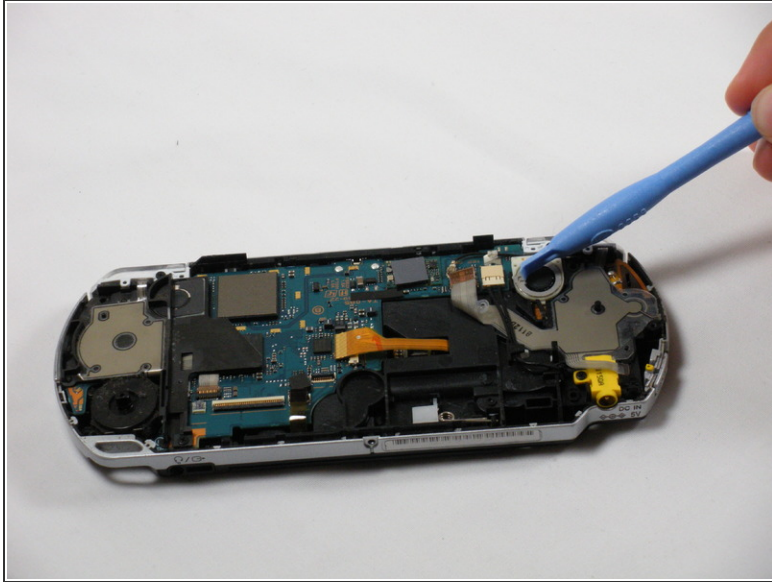
## Step 9



- Use an opening tool to lift up the brown tab on the connector and remove the cable horizontally.
- Gently remove the memory card slot by pulling it straight out.



## Step 10 — Speaker

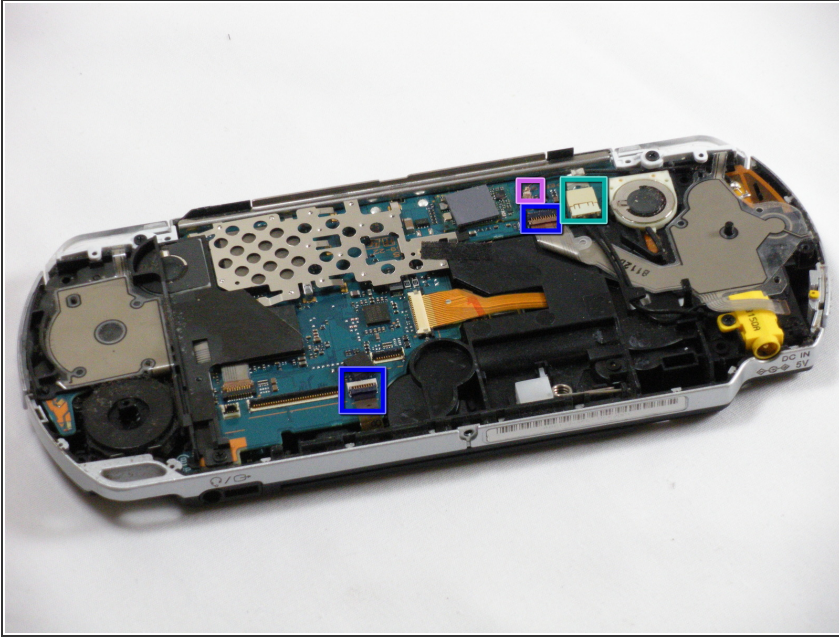


- Use the opening tools to press the tab on the left-hand side of the speaker to release it.

⚠ Be careful not to puncture the speaker in the process.

- Remove the speaker by twisting it counter-clockwise (to the left, like a screw).

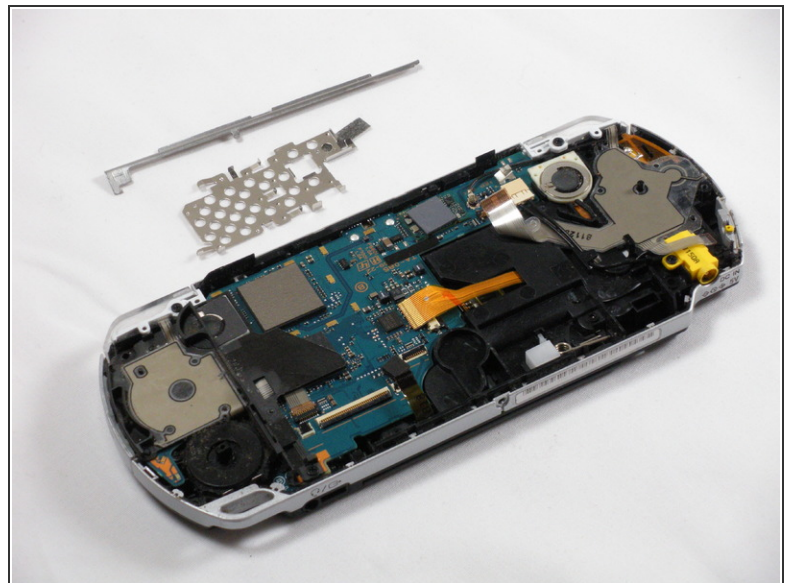
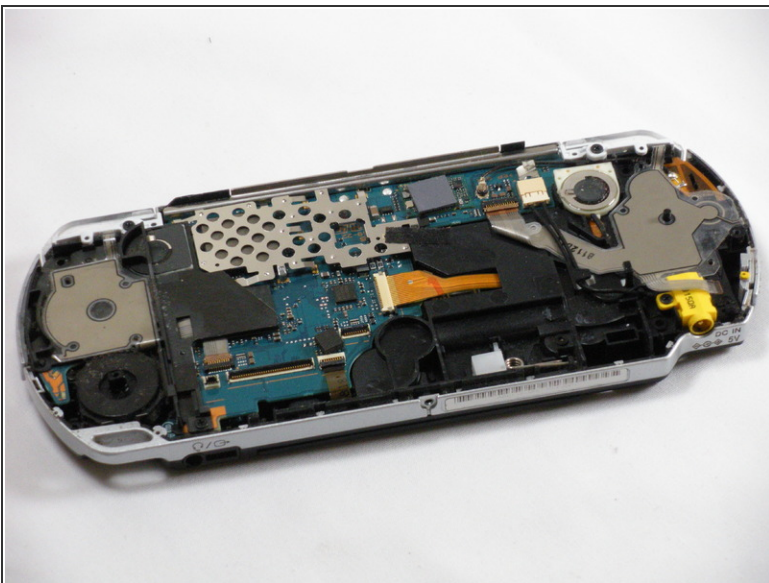
## Step 11 — Logic Board



- Remove the following four connections:
  - Two ribbon cables -- flip up latch and remove horizontally.
  - One wire clamp -- use an opening tool to pry it up vertically.
  - One wiring harness -- use your fingers, a PSP opening tool, or tweezers to disconnect the connector horizontally.

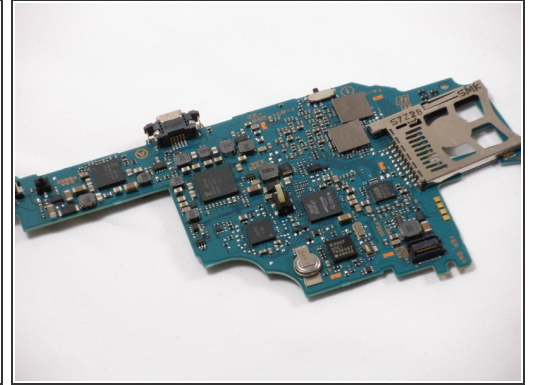
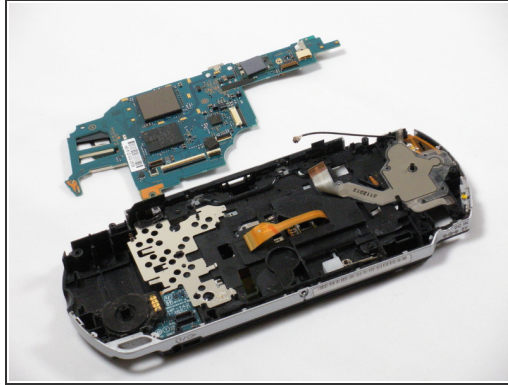
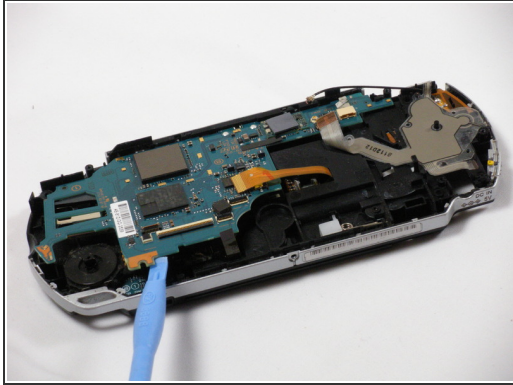
⚠ The ribbon cable near the wire clamp has a brown tab that should be lifted using an opening tool prior to removal. Be careful to not damage the ribbon or connector.

## Step 12



- Remove metal shields by gently lifting them with an opening tool.

## Step 13



☑ Double-check to make sure that all connections to the board are unplugged in order to avoid damage to your PSP.

- Using an opening tool, delicately raise the logic board from its base.

To reassemble your device, follow these instructions in reverse order.

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